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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,205	01/06/2004	Daniel John DiLorenzo	31685-704.503	5641
21971 7:	590 11/02/2006		EXAMINER	
WILSON SO	NSINI GOODRICH & R	GETZOW, SCOTT M		
650 PAGE MILL ROAD PALO ALTO, CA 94304-1050		ART UNIT	PAPER NUMBER	
1112071210,	,		3762	
		DATE MAILED: 11/02/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/753,205	DILORENZO, DAN	DILORENZO, DANIEL JOHN				
	Office Action Summary	Examiner	Art Unit					
		Scott M. Getzow	3762					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠	Responsive to communication(s) filed on <u>01 A</u>	<u>ugust 2006</u> .						
2a)⊠	This action is <b>FINAL</b> . 2b) This	action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	·						
4)  Claim(s) 1,2,4,5,7-12,15,16 and 20-42 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) 1,2,4,5,7-12,15,16 and 20-42 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers							
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example.	epted or b) objected to by the liderawing(s) be held in abeyance. Section is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CF	, ,				
Priority u	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
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Attachmen	• •	o□ · •	(DTO 443)					
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	ate					
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>8/1/06</u> .	5) Notice of Informal F 6) Other:	atent Application					

## Claim Rejections - 35 USC § 102

1. Claims 24-27,34-36,42 are rejected under 35 U.S.C. 102(b) as being anticipated by Fischell et al (6016449).

Fischell is considered to encompass all of the structure of the above claims. Col. 19:37 to col. 20:40 teaches steps that are analogous to calculation of seizure prediction. Further, for the device to be in mechanical communication with the calvarium is considered to be intended use only.

## Claim Rejections - 35 USC § 103

2. Claims 1,2,4,5,7,8-12,15,16,20-23,28-33,37-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fischell et al (6016449) in view of Esteller et al (6594524).

Esteller is considered to describe using a measure of chaos and entropy in the detection and analysis of EEG signals in order to predict the onset of epilepsy. See for example col. 2:10-16, which teach using chaos analysis of a patient's EEG, and the use of the Lyapunov exponent. See also col. 31:5+, which teaches the use of entropy in the analysis of signals. Still further, the use of a control law is discussed at col. 3:62+, demonstrating its commonality in the art. Thus, to measure chaos, and to calculate entropy, as well as use a control law, as taught by Esteller, would have been obvious with the device of Fischell since they are sophisticated techniques that the ordinary artisan would deem useful in a system for treating neurological disorders.

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3. Applicant's submission of an information disclosure statement under 37 CFR 1.97(c) with the fee set forth in 37 CFR 1.17(p) on 8/1/06 prompted the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 609.04(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott M. Getzow whose telephone number is (571) 272-4946. The examiner can normally be reached on M-F, 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on (571) 272-4955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Scott M. Getzow Primary Examiner Art Unit 3762

**SMG**